



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/050855 A1

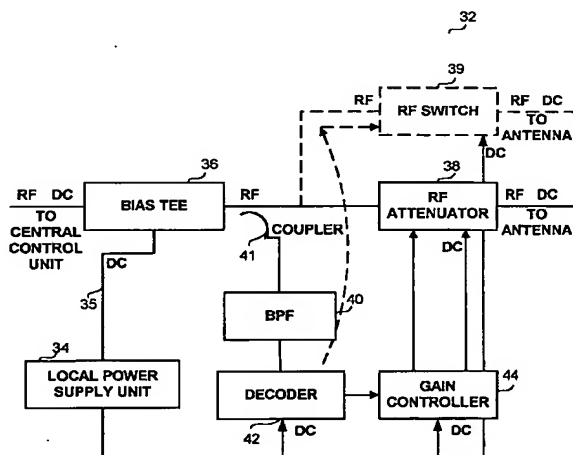
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| <p>(51) International Patent Classification⁷: H04B 1/38, 3/36</p> <p>(21) International Application Number:
PCT/IL2003/000863</p> <p>(22) International Filing Date: 23 October 2003 (23.10.2003)</p> <p>(25) Filing Language: English</p> <p>(26) Publication Language: English</p> <p>(71) Applicant (for all designated States except US): CEL-LVINE LTD. [IL/IL]; 6 Yoni Netanyahu Street, 60376 Or Yehuda (IL).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): SHIFF, Yoni [IL/IL]; 12 Mivtza Nachshon Street, 75445 Rishon LeZion (IL). HAUPTMAN, Yirmi [IL/IL]; 1/33 Hapardes Harishon Street, 75209 Rishon LeZion (IL). SEELENFREUND, Marc [IL/IL]; 4A Nachshon Street, 43259 Ra'anana (IL).</p> <p>(74) Agents: AGMON, Jonathan et al.; Soroker-Agmon, Advocates and Patent Attorneys, Noltan House, 14 Shenkar Street, 46725 Herzliya Pituach (IL).</p> | <p>(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p>(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published:
— with international search report</p> <p><i>For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.</i></p> |
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Published:

— with international search report

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- (54) Title: SYSTEM AND METHOD FOR THE REDUCTION OF INTERFERENCE IN AN INDOOR COMMUNICATIONS WIRELESS DISTRIBUTION SYSTEM**



- (57) Abstract:** An apparatus and its corresponding method for detecting and reducing interference elements within an indoor communication wireless system by dynamically locating the source of the interference, and by preventing the distribution of the interference via controlled attenuation of the interfering signal. The apparatus and method dynamically controls (44) the potential interference sources by optionally switching off (39) or attenuating (38) the antennas generating the signal carrying interference elements. Further, the proposed apparatus and method is operative in the reconnection of switch off (39) antennas and/or the controlled (44) restoration of the signal strengths where the interference diminishes.